Product Information

A PRODUCT OF VALVOLINE, A DIVISION OF ASHLAND INC.

VALVOLINE PREMIUM CONVENTIONAL MOTOR OIL

Valvoline Premium Conventional multigrade motor oils are formulated with advanced additive technology and highly refined, premium quality basestocks that protect today's engines against undesirable deposits, contamination, and viscosity and thermal breakdown under severe service conditions. They meet the performance requirements of virtually all naturally aspirated, turbocharged and supercharged gasoline fueled passenger cars and light duty trucks, including European and Japanese vehicles*.

The Valvoline Premium Conventional Motor Oil Advantage

- **High Temperature Protection:** Resists breakdown in the most severe engine environments.
- **Low Temperature Protection:** Flows easily at low temperatures, reducing wear at start-up.
- **High Detergency:** Fights formation of sludge and varnish deposits that reduce engine life.
- **Wear Protection:** Contains anti-wear additives that dramatically reduce engine wear. Meets European and Japanese Wear requirements.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components.
- **Fuel Economy:** Improves fuel economy in new and old vehicles.

Approvals/Performance Levels	Viscosity Grade/Other		
API SN/SM	SAE 5W-20	SAE 5W-30	SAE 10W-30
ILSAC GF-5 & GF-4	SAE 5W-20	SAE 5W-30	SAE 10W-30
Resource Conserving	SAE 5W-20	SAE 5W-30	SAE 10W-30
FORD WSS-M2C946-A	- - - - - - - -	SAE 5W-30	- - - - - - - -
FORD WSS-M2C945-A	SAE 5W-20	- - - - - - - -	- - - - - - - -
GM 6094M **	SAE 5W-20	SAE 5W-30	SAE 10W-30
Chrysler MS-6395	SAE 5W-20	SAE 5W-30	SAE 10W-30
Honda Feb. 2001 Spec.	SAE 5W-20	- - - - - - - -	- - - - - - - -

Test	SAE 5W-20	SAE 5W-30	SAE 10W-30
Vis @ 100°C (cSt)	8.5	11.2	10.5
Vis @ 40°C (cSt)	50.0	68	69.7
Viscosity Index	146	157	137
Spec Gravity @ 60°F	0.861	0.863	0.871
Density (lbs/gal)	7.18	7.20	7.26
Total Base No.	7.3	7.3	7.3
Flash COC (°C)	220	220	216
Pour Point (°C) max	-42	-42	-36
CCS cP (°C)	6100(-30°C)	6100(-30°C)	5900(-25°C)
MRV TP-1 cP (°C)	20,000(-35°C)	25,000(-35°C)	20,000(-30°C)
Noack % off @ 250°C	<14.5	<14.5	<14.5
Sulfated Ash	0.80	0.80	0.80
Zinc/Phosphorus	0.083/0.076	0.083/0.076	0.083/0.076
Calcium/Sodium	0.167/0.049	0.167/0.049	0.167/0.049

* VALVOLINE PREMIUM CONVENTIONAL MOTOR OILS are not recommended for use in diesel fueled vehicles. Use Valvoline All Fleet Plus, Valvoline Durablend, Valvoline SynPower motor oils(see owner's manual)

See operator's manual for recommended viscosity grade and API service classification.

**Obsolete

Product Information

A PRODUCT OF VALVOLINE, A DIVISION OF ASHLAND INC.

VALVOLINE PREMIUM CONVENTIONAL MOTOR OIL

Valvoline Premium Conventional multigrade motor oils are formulated with advanced additive technology and highly refined, premium quality basestocks that protect today's engines against undesirable deposits, contamination, and viscosity and thermal breakdown under severe service conditions. They meet the performance requirements of virtually all naturally aspirated, turbocharged and supercharged gasoline fueled passenger cars and light duty trucks, including European and Japanese vehicles*.

The Valvoline Premium Conventional Motor Oil Advantage

- **High Temperature Protection:** Resists breakdown in the most severe engine environments.
- **Low Temperature Protection:** Flows easily at low temperatures, reducing wear at start-up.
- **High Detergency:** Fights formation of sludge and varnish deposits that reduce engine life.
- **Wear Protection:** Contains anti-wear additives that dramatically reduce engine wear. Meets European and Japanese Wear requirements.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components.

Approvals/Performance Levels		
API SN/SM Meets engine & emission system protection requirements of ILSAC GF-5	SAE 10W-40	SAE 20W-50

Test	**SAE 10W-40**	**SAE 20W-50**
Vis @ 100°C (cSt)	15.1	18.5
Vis @ 40°C (cSt)	104.0	170.9
Viscosity Index	152	121
Spec Gravity @ 60°F	0.8685	0.8802
Density (lbs/gal)	7.24	7.34
Total Base No.	7.5	7.5
Flash COC (°C)	220	236
Pour Point (°C) max	-33	-24
CCS cP (°C)	6200(-25°C)	9200(-15°C)
MRV TP-1 cP (°C)	35,000(-30°C)	21,000(-20°C)
Noack % off @ 250°C	<15.0	<15.0
Sulfated Ash	0.80	0.80
Zinc/Phosphorus	0.083/0.076	0.083/0.076
Calcium/Sodium	0.167/0.049	0.167/0.049

* VALVOLINE PREMIUM CONVENTIONAL MOTOR OILS are not recommended for use in diesel fueled vehicles. Use Valvoline All Fleet Plus, Valvoline Durablend, Valvoline SynPower motor oils(see owner's manual)

See operator's manual for recommended viscosity grade and API service classification.

Product Information

A PRODUCT OF VALVOLINE, A DIVISION OF ASHLAND INC.

VALVOLINE PREMIUM CONVENTIONAL MOTOR OIL

Valvoline Premium Conventional monograde motor oils are formulated with advanced additive technology and highly refined, premium quality basestocks that protect today's engines against undesirable deposits, contamination, and viscosity and thermal breakdown under severe service conditions. Valvoline SAE 30, SAE 40, and SAE 50 offer excellent protection to gasoline engines operating under high temperature and heavy-duty service(hauling trailers, boats or RVs for sustained periods)*.

The Valvoline Premium Conventional Motor Oil Advantage:

- **High Temperature Protection:** Resists breakdown in the most severe engine environments.
- **High Detergency:** Fights formation of sludge and varnish deposits that reduce engine life.
- **Wear Protection:** Contains anti-wear additives that dramatically reduce engine wear. Meets European and Japanese wear requirements.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components

Approvals/Performance Levels	Viscosity Grade/Other		
API SN/SM	SAE 30	SAE 40	SAE 50
Chrysler MS-6395	SAE 30	- - - - - -	- - - - - -
Other Applications	Manual transmissions, hydraulic systems, air compressors, and circulating systems where the manufacturer recommends use of a motor oil. Meets engine and emission system protection requirements of ILSAC GF-5.		

Test	SAE 30	SAE 40	SAE 50
Vis @ 100°C (cSt)	10.3	13.5	20.0
Vis @ 40°C (cSt)	82.0	127.0	223
Viscosity Index	107	101	103
Spec Gravity @ 60°F	0.8780	0.8819	0.8817
Density (lbs/gal)	7.33	7.35	7.35
Total Base No.	7.5	7.5	7.5
Flash COC (°C)	229	248	254
Pour Point (°C)	-27	-27	-15
CCS cP (°C), max	- - -	- - -	- - -
MRV TP-1 cP (°C)	- - -	- - -	- - -
Sulfated Ash	0.8	0.8	0.8
Zinc/Phosphorus	0.083/0.076	0.083/0.076	0.083/0.076
Calcium/Sodium	0.167/0.049	0.167/0.049	0.167/0.049

* Valvoline Premium Conventional Motor Oils are not recommended for use in diesel fuel vehicles. Use Valvoline All Fleet Plus, Valvoline Durablend, Valvoline SynPower motor oils(see owner's manual).

See operator's manual for recommended viscosity grade and API service classification.